BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to roads and drains at Mariyamma Block and surrounding areas in ward no.11 in Kuvempunagar

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer in charge									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 1 to 4						**541.70**			
							TOTAL	**541.70**	**207.60**	**112456.00**	
Item no.02		Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer in charge									
			Sqm								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 5						216.72			
							TOTAL	**216.72**	**111.30**	**24121.00**	
Item No. 03		Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. and as per the directions of the Engineer in charge									
Measurements Taken On :											
		Kuvempu Nagar									
		Cross Road									
0	4		Sqm	1	4.00	1.80		7.20			
27	33		Sqm	1	6.00	1.80		10.80			
54	66		Sqm	1	12.00	1.80		21.60			
86	93		Sqm	1	7.00	1.80		12.60			
117	126.6		Sqm	1	9.60	1.80		17.28			
146	155		Sqm	1	9.00	1.80		16.20			
168	172		Sqm	1	4.00	1.80		7.20			
							TOTAL	**92.88**	**742.00**	**68917.00**	
Item no.04		Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 6 to 9						**397.17**			
							TOTAL	**397.17**	**5408.12**	**2147962.00**	

PRAPRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	(m)	(m)		RS.	RS.	
Item no.05		Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. and as per the directions of the Engineer in charge									
Measurements Taken On :											
		Cross Road 6									
		LHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	41.2		Sqm	2	11.20		0.20	4.48			
		RHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	39.2		Sqm	2	9.20		0.20	3.68			
		Cross Road 7									
		LHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	45		Sqm	2	15.00		0.20	6.00			
45	51.4		Sqm	2	6.40		0.20	2.56			
		RHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	45		Sqm	2	15.00		0.20	6.00			
45	53		Sqm	2	8.00		0.20	3.20			
		Cross Road 8									
		LHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30.1		Sqm	2	15.10		0.20	6.04			
0	0	RHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	37.1		Sqm	2	7.10		0.20	2.84			
		Cross Road 9									
		LHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	45		Sqm	2	15.00		0.20	6.00			
45	51.1		Sqm	2	6.10		0.20	2.44			
		RHS									
0	15		Sqm	2	15.00		0.20	6.00			
15	30		Sqm	2	15.00		0.20	6.00			
30	45		Sqm	2	15.00		0.20	6.00			
45	51.1		Sqm	2	6.10		0.20	2.44			

DRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Kuvempu Nagar									
		Cross Road									
0	30		Sqm	2	30.00		0.40	24.00			
30	60		Sqm	2	30.00		0.40	24.00			
60	90		Sqm	2	30.00		0.40	24.00			
90	120		Sqm	2	30.00		0.60	36.00			
120	150		Sqm	2	30.00		0.60	36.00			
150	172		Sqm	2	22.00		0.60	26.40			
							TOTAL	**312.08**	**1019.72**	**318234.00**	

Item no.06 Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge

Measurements Taken On :

		Cross Road 6									
		LHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	41.2		Cum	2	11.20	0.20	0.10	0.45			
		RHS						0.00			
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	39.2		Cum	2	9.20	0.20	0.10	0.37			
		Cross Road 7									
		LHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	45		Cum	2	15.00	0.20	0.10	0.60			
45	51.4		Cum	2	6.40	0.20	0.10	0.26			
		RHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	45		Cum	2	15.00	0.20	0.10	0.60			
45	53		Cum	2	8.00	0.20	0.10	0.32			
		Cross Road 8									
		LHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30.1		Cum	2	15.10	0.20	0.10	0.60			
		RHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	37.1		Cum	2	7.10	0.20	0.10	0.28			
		Cross Road 9									
		LHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	45		Cum	2	15.00	0.20	0.10	0.60			
45	51.1		Cum	2	6.10	0.20	0.10	0.24			

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		RHS									
0	15		Cum	2	15.00	0.20	0.10	0.60			
15	30		Cum	2	15.00	0.20	0.10	0.60			
30	45		Cum	2	15.00	0.20	0.10	0.60			
45	51.1		Cum	2	6.10	0.20	0.10	0.24			
		Kuvempu Nagar									
		Cross Road									
0	30		Cum	2	30.00	0.20	0.10	1.20			
30	60		Cum	2	30.00	0.20	0.10	1.20			
60	90		Cum	2	30.00	0.20	0.10	1.20			
90	120		Cum	2	30.00	0.20	0.10	1.20			
120	150		Cum	2	30.00	0.20	0.10	1.20			
150	172		Cum	2	22.00	0.20	0.10	0.88			
							TOTAL	**21.05**	**5747.32**	**120970.00**	
Item no.07		Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 10 to 11						57.27			
							TOTAL	**57.27**	**5505.64**	**315300.00**	
Item no.08		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer in charge									
Measurements Taken On :											
		Bottom Raft									
		Cross Road 4									
		LHS									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	45		Cum	1	15.00	0.75	0.15	1.69			
45	56.3		Cum	1	11.30	0.75	0.15	1.27			
		Cross Road 5									
		LHS									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	42		Cum	1	12.00	0.75	0.15	1.35			
		RHS									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	43		Cum	1	13.00	0.75	0.15	1.46			
		Main Road									
		LHS									

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	(m)	(m)		RS.	RS.	
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30.8		Cum	1	15.80	0.90	0.15	2.13			
		Main Road Dead End									
		Lhs									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	44		Cum	1	14.00	0.90	0.15	1.89			
		Rhs									
0	18		Cum	1	18.00	0.90	0.15	2.43			
23.9	42.3	18 to 23.9 Culvert	Cum	1	18.40	0.90	0.15	2.48			
		Devappa Block									
		Cross road -1									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	45		Cum	1	15.00	0.75	0.15	1.69			
45	60		Cum	1	15.00	0.75	0.15	1.69			
60	73.5		Cum	1	13.50	0.75	0.15	1.52			
		Cross road -2									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	45		Cum	1	15.00	0.75	0.15	1.69			
45	60		Cum	1	15.00	0.75	0.15	1.69			
60	73.5		Cum	1	13.50	0.75	0.15	1.52			
		Side Wall									
		Cross Road 4									
		LHS									
0	15		Cum	2	15.00	0.15	0.45	2.03			
15	30		Cum	2	15.00	0.15	0.45	2.03			
30	45		Cum	2	15.00	0.15	0.45	2.03			
45	56.3		Cum	2	11.30	0.15	0.45	1.53			
		Cross Road 5									
		LHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	42		Cum	2	12.00	0.15	0.60	2.16			
		RHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	43		Cum	2	13.00	0.15	0.60	2.34			
		Main Road									
		LHS									
0	15		Cum	2	15.00	0.15	0.70	3.15			
15	30.8		Cum	2	15.80	0.15	0.70	3.32			

DRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	(m)	(m)		RS.	RS.	
		Main Road Dead End									
		Lhs									
0	15		Cum	2	15.00	0.15	0.75	3.38			
15	30		Cum	2	15.00	0.15	0.75	3.38			
30	44		Cum	2	14.00	0.15	0.75	3.15			
		Rhs									
0	18		Cum	2	18.00	0.15	0.75	4.05			
23.9	42.3	18 to 23.9 Culvert	Cum	2	18.40	0.15	0.75	4.14			
		Devappa Block									
		Cross road -1									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	60		Cum	2	15.00	0.15	0.60	2.70			
60	73.5		Cum	2	13.50	0.15	0.60	2.43			
		Cross road -2									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	60		Cum	2	15.00	0.15	0.60	2.70			
60	73.5		Cum	2	13.50	0.15	0.60	2.43			
							TOTAL	**121.36**	**7070.20**	**858070.00**	
Item no.09		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer in charge									
			Tonne								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 12						**7.91**			
		Tender Qty						7.89			
		Now to be Paid									
		Quantity Limited To						**7.89**	**72326.98**	**570564.00**	
Item no.10		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer in charge									
Measurements Taken On :											
		Mariyamma Block									
		Cross Road 6									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	41.2		Sqm	1	11.20	0.75		8.40			
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			

Contractor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	(m)	(m)		RS.	RS.	
30	39.2		Sqm	1	9.20	0.75		6.90			
		Cross Road 7									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	51.4		Sqm	1	6.40	0.75		4.80			
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	53		Sqm	1	8.00	0.75		6.00			
		Cross Road 8									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30.1		Sqm	1	15.10	0.75		11.33			
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	37.1		Sqm	1	7.10	0.75		5.33			
		Cross Road 9									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	51.1		Sqm	1	6.10	0.75		4.58			
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	51.1		Sqm	1	6.10	0.75		4.58			
		Kuvempu Nagar									
		Cross Road									
0	30		Sqm	1	30.00	0.90		27.00			
30	60		Sqm	1	30.00	0.90		27.00			
60	90		Sqm	1	30.00	0.90		27.00			
90	120		Sqm	1	30.00	0.90		27.00			
120	150		Sqm	1	30.00	0.90		27.00			
150	172		Sqm	1	22.00	0.90		19.80			
		Mariyamma Block									
		Cross Road 4									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	56.3		Sqm	1	11.30	0.75		8.48			

CHAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Cross Road 5									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	42		Sqm	1	12.00	0.75		9.00			
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	43		Sqm	1	13.00	0.75		9.75			
		Main Road									
		LHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30.8		Sqm	1	15.80	0.90		14.22			
		Main Road Dead End									
		Lhs									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	44		Sqm	1	14.00	0.90		12.60			
		Rhs									
0	18		Sqm	1	18.00	0.90		16.20			
23.9	42.3	18 to 23.9 Culvert	Sqm	1	18.40	0.90		16.56			
		Devappa Block									
		Cross road -1									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	60		Sqm	1	15.00	0.75		11.25			
60	73.5		Sqm	1	13.50	0.75		10.13			
		Cross road -2									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	60		Sqm	1	15.00	0.75		11.25			
60	73.5		Sqm	1	13.50	0.75		10.13			
							TOTAL	**736.76**	**2337.00**	**1721796.00**	

Item no.11		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. and as per the directions of the Engineer in charge									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 13 to 14						215.45			
							TOTAL	**215.45**	**1022.74**	**220350.00**	

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item no.12		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer in charge									
			Sqm								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 15						978.74			
							TOTAL	**978.74**	**41.34**	**40461.00**	
Item no.13		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer in charge									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 16 to 17						349.59			
							TOTAL	**349.59**	**56.26**	**19668.00**	
Item no.14		Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. and as per the directions of the Engineer in charge									
Measurements Taken On :											
		Cross Road 1				Avg					
0	15		Cum	1	15.00	2.50	0.15	5.63			
15	30		Cum	1	15.00	2.45	0.15	5.51			
30	38.7		Cum	1	8.70	3.35	0.15	4.37			
		Cross Road 2									
0	15		Cum	1	15.00	3.40	0.15	7.65			
15	30		Cum	1	15.00	3.00	0.15	6.75			
30	45		Cum	1	15.00	2.55	0.15	5.74			
45	62		Cum	1	17.00	3.00	0.15	7.65			
		Cross Road 6									
0	15		Cum	1	15.00	2.48	0.15	5.57			
15	30		Cum	1	15.00	2.55	0.15	5.74			
30	40.2		Cum	1	10.20	2.73	0.15	4.17			
		Cross Road 7									
0	15		Cum	1	15.00	2.98	0.15	6.69			
15	30		Cum	1	15.00	3.10	0.15	6.98			
30	45		Cum	1	15.00	2.90	0.15	6.53			
45	52		Cum	1	7.00	2.65	0.15	2.78			

Contractor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

CLIENT:Executive Engineer, Karnataka Rural infrastructure development Ltd #280, 59th Cross road, 17th 'C'Main Road 3rd Y Block, Rajajinagara, Bangalore-560010

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	(m)	(m)		RS.	RS.	
		Cross Road 8									
0	15		Cum	1	15.00	2.45	0.15	5.51			
15	30		Cum	1	15.00	2.82	0.15	6.33			
30	34.7		Cum	1	4.70	2.93	0.15	2.07			
		Cross Road 9									
0	15		Cum	1	15.00	3.10	0.15	6.98			
15	30		Cum	1	15.00	3.15	0.15	7.09			
30	45		Cum	1	15.00	3.12	0.15	7.01			
45	50.2		Cum	1	5.20	3.24	0.15	2.53			
		Cross Road 10									
0	15		Cum	1	15.00	3.40	0.15	7.65			
15	30		Cum	1	15.00	3.25	0.15	7.31			
30	47.5		Cum	1	17.50	3.30	0.15	8.66			
		Cross Road 11									
0	15		Cum	1	15.00	3.00	0.15	6.75			
15	30		Cum	1	15.00	2.70	0.15	6.08			
30	41.7		Cum	1	11.70	3.35	0.15	5.88			
		Varada Raj nagar 2nd Main									
0	30		Cum	1	30.00	5.80	0.15	26.10			
30	60		Cum	1	30.00	5.50	0.15	24.75			
60	90		Cum	1	30.00	5.45	0.15	24.53			
90	120		Cum	1	30.00	5.55	0.15	24.98			
120	150		Cum	1	30.00	5.35	0.15	24.08			
150	178.7		Cum	1	28.70	5.20	0.15	22.39			
		Devappa Block									
		Cross Road									
0	18.5		Cum	1	18.50	3.55	0.15	9.85			
18.5	20.3	Culvert	Cum	1	0.00	0.00	0.00	0.00			
20.3	35.3		Cum	1	15.00	3.35	0.15	7.54			
35.3	52.3		Cum	1	17.00	3.30	0.15	8.42			
52.3	67.3		Cum	1	15.00	3.60	0.15	8.10			
67.3	79		Cum	1	11.70	4.15	0.15	7.28			
							TOTAL	**349.59**	**5210.96**	**1821679.00**	
									SUB TOTAL AMOUNT	**8360548.00**	
									Add KRIDL @3+1=4%	**334422**	
									Add GST @ 12%	**1003266**	
									TOTAL AMOUNT	**9698235.68**	

RAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer